

Murat Cokol

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1956891/publications.pdf>

Version: 2024-02-01

40
papers

5,151
citations

279798

23
h-index

345221

36
g-index

42
all docs

42
docs citations

42
times ranked

9203
citing authors

#	ARTICLE	IF	CITATIONS
1	The Genetic Landscape of a Cell. <i>Science</i> , 2010, 327, 425-431.	12.6	1,937
2	Finding nuclear localization signals. <i>EMBO Reports</i> , 2000, 1, 411-415.	4.5	626
3	Harnessing Connectivity in a Large-Scale Small-Molecule Sensitivity Dataset. <i>Cancer Discovery</i> , 2015, 5, 1210-1223.	9.4	575
4	Systematic exploration of synergistic drug pairs. <i>Molecular Systems Biology</i> , 2011, 7, 544.	7.2	284
5	Oxidative Stress Is a Mediator for Increased Lipid Accumulation in a Newly Isolated <i>Dunaliella salina</i> Strain. <i>PLoS ONE</i> , 2014, 9, e91957.	2.5	247
6	Strength of Selection Pressure Is an Important Parameter Contributing to the Complexity of Antibiotic Resistance Evolution. <i>Molecular Biology and Evolution</i> , 2014, 31, 2387-2401.	8.9	222
7	A Protein Domain-Based Interactome Network for <i>C. elegans</i> Early Embryogenesis. <i>Cell</i> , 2008, 134, 534-545.	28.9	196
8	Modelling of compound combination effects and applications to efficacy and toxicity: state-of-the-art, challenges and perspectives. <i>Drug Discovery Today</i> , 2016, 21, 225-238.	6.4	162
9	Efficient measurement and factorization of high-order drug interactions in <i>Mycobacterium tuberculosis</i> . <i>Science Advances</i> , 2017, 3, e1701881.	10.3	107
10	Chemogenomics and orthology-based design of antibiotic combination therapies. <i>Molecular Systems Biology</i> , 2016, 12, 872.	7.2	96
11	How many scientific papers should be retracted?. <i>EMBO Reports</i> , 2007, 8, 422-423.	4.5	63
12	A Parallel Adder Coordinates Mycobacterial Cell-Cycle Progression and Cell-Size Homeostasis in the Context of Asymmetric Growth and Organization. <i>Current Biology</i> , 2017, 27, 3367-3374.e7.	3.9	62
13	Antibiotic susceptibility signatures identify potential antimicrobial targets in the <i>Acinetobacter baumannii</i> cell envelope. <i>Nature Communications</i> , 2020, 11, 4522.	12.8	62
14	Emergent behavior of growing knowledge about molecular interactions. <i>Nature Biotechnology</i> , 2005, 23, 1243-1247.	17.5	51
15	Prediction of ultra-high-order antibiotic combinations based on pairwise interactions. <i>PLoS Computational Biology</i> , 2019, 15, e1006774.	3.2	49
16	Prediction of Antibiotic Interactions Using Descriptors Derived from Molecular Structure. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 3902-3912.	6.4	45
17	Temporal and intrinsic factors of rifampicin tolerance in mycobacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8302-8307.	7.1	44
18	Chemogenomic model identifies synergistic drug combinations robust to the pathogen microenvironment. <i>PLoS Computational Biology</i> , 2018, 14, e1006677.	3.2	31

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19	Target-Independent Prediction of Drug Synergies Using Only Drug Lipophilicity. <i>Journal of Chemical Information and Modeling</i> , 2014, 54, 2286-2293.	5.4	30
20	Synergistic activity of vorinostat combined with gefitinib but not with sorafenib in mutant KRAS human non-small cell lung cancers and hepatocarcinoma. <i>OncoTargets and Therapy</i> , 2016, Volume 9, 6843-6855.	2.0	30
21	Synthesis and characterization of amino acid-functionalized calcium phosphate nanoparticles for siRNA delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 175-181.	5.0	30
22	Large-Scale Identification and Analysis of Suppressive Drug Interactions. <i>Chemistry and Biology</i> , 2014, 21, 541-551.	6.0	27
23	Prediction of synergistic drug combinations. <i>Current Opinion in Systems Biology</i> , 2017, 4, 24-28.	2.6	26
24	Diagonal Method to Measure Synergy Among Any Number of Drugs. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	25
25	Design of high-order antibiotic combinations against <i>M. tuberculosis</i> by ranking and exclusion. <i>Scientific Reports</i> , 2019, 9, 11876.	3.3	24
26	Modeling the impact of drug interactions on therapeutic selectivity. <i>Nature Communications</i> , 2018, 9, 3452.	12.8	18
27	Silencing of survivin and cyclin B1 through siRNA-loaded arginine modified calcium phosphate nanoparticles for non-small-cell lung cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 196, 111340.	5.0	18
28	Visualizing evolution and impact of biomedical fields. <i>Journal of Biomedical Informatics</i> , 2008, 41, 1050-1052.	4.3	17
29	Drugs and their Interactions. <i>Current Drug Discovery Technologies</i> , 2013, 10, 106-113.	1.2	14
30	Miniaturized Checkerboard Assays to Measure Antibiotic Interactions. <i>Methods in Molecular Biology</i> , 2019, 1939, 3-9.	0.9	10
31	A novel, multitargeted endogenous metabolic modulator composition impacts metabolism, inflammation, and fibrosis in nonalcoholic steatohepatitis-relevant primary human cell models. <i>Scientific Reports</i> , 2021, 11, 11861.	3.3	10
32	Guided screen for synergistic three-drug combinations. <i>PLoS ONE</i> , 2020, 15, e0235929.	2.5	7
33	A drug similarity network for understanding drug mechanism of action. <i>Journal of Bioinformatics and Computational Biology</i> , 2014, 12, 1441007.	0.8	1
34	Characterizing ABC-Transporter Substrate-Likeness Using a Clean-Slate Genetic Background. <i>Frontiers in Pharmacology</i> , 2019, 10, 448.	3.5	1
35	A Novel Composition of Endogenous Metabolic Modulators, AXA4010, Impacts Adhesion, Inflammation and RBC Membrane Deformability in Preclinical Models of Sickle Cell Disease. <i>Blood</i> , 2019, 134, 978-978.	1.4	1
36	Response by Cokol <i>et al</i> . <i>EMBO Reports</i> , 2007, 8, 793-793.	4.5	0

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37	Guided screen for synergistic three-drug combinations. , 2020, 15, e0235929.		0
38	Guided screen for synergistic three-drug combinations. , 2020, 15, e0235929.		0
39	Guided screen for synergistic three-drug combinations. , 2020, 15, e0235929.		0
40	Guided screen for synergistic three-drug combinations. , 2020, 15, e0235929.		0